



MEMORANDUM

Date: As of 4 June, 2014

To: Marine Advisory Committee

From: Charles Mopps, Project Manager

Subject: **May MSBU Project Update**

Ackerman Waterway: Refer to Manchester Waterway.

Alligator Creek: The Committee has requested that Engineering Services be sought to Engineer/Permit/Construction Manage the removal of the existing silt to the existing permitted conditions and pursue seeking permits to increase the depth of the Access/Main channel to -6ft MLW. IAW a recent survey, if maintained to existing conditions the approximate volume of dredge material to be removed is about 3,000 CY. The committee wishes to pursue both dredging to existing maintained depths (-5ft @ MLW) and seek a permit for an additional foot of depth with an approximate volume of 14,700 CY. Coastal has completed the engineering and permit submittal process for both projects. The permit applications for increasing the depth to -6ft MLW is under review by the agencies. The Public Interest/Mitigation formulation was also presented to the Agencies for review. The FDEP permit was received for the -5 maintenance dredge and is pending from the ACOE. The Bid specs for the Maintenance dredge are being review and the Maintenance portion of the project could be out to bid by the end of June due to delays in receiving the ACOE permit. The ACOE wants to combine the projects even though they are different in their scope

Buena Vista Area Waterways: Johnson Engineering was selected to provide services to this project and is currently reviewing the pre-existing permits and documents. They will be surveying the area the week of 28 April to gain information on existing conditions to facilitate the engineering of the project and facilitate the permitting. They have completed the Survey after having to resurvey some areas and preliminary design is underway.

Edgewater North: DMK was selected to perform the Survey and Provide estimates of quantities. To restore the system to -4 feet Mean Low Water, 41,000 cubic yards of material would need to be dredged. Estimated cost to complete the work would be \$1.4 Mil. To dredge to -5 feet MLW there would be an estimated 97,500 cubic yards to remove at a cost of about \$3.4 Mil. A mass mailing went out to all the citizens in that area to sequester their opinion on an increase to their tax to accomplish this project. Staff is awaiting guidance on how to proceed.

Community Development Engineering

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Gulf Cove Waterways: Maintenance dredging provides continued safe navigation for citizens who utilize the waterways. This project provides for engineering, design and permitting to dredge the lateral/access channels and 100 feet into the interior canals. The amount of material to be removed will be determined in the engineering and design progresses. A Request for Letters of Interest was submitted to the Purchasing Department to begin the process of obtaining a qualified engineering firm. Staff is under negotiations with the selected Firm (Coastal Engineering) to start the project. The scope of work has been approved and they are in the process of scheduling survey work.

Harbour Heights: A Request through purchasing has been initiated to retain Engineering services to Permit, Survey and Provide Construction Related Services for minor shoaling within the Harbor Heights Waterway System. The Consultant is in the process of gathering survey and permitting data. This phase should be complete with submittal to the permitting agencies in early April 2014. Staff reviewed the 80% design plans with the consultant (Stantec) and permitting strategies were discussed. These strategies should lead to a streamlined process. The permit application was submitted to staff for review the week of April 14, 2014. After review and approval the permit application was submitted on the week of April 21, 2014. The permits were received in May from the agencies. The bid specs have been reviewed and modified. The citizens would like to see some Mangrove trimming added to the contract to ease line of sight and navigation issues. This project should go out to bid the Month of June,

Hayward Canals: No active projects at this time.

Manchester Waterway: Manchester and Ackerman are pursuing survey and re-permitting of the access channel to maintenance dredge siltation from the Access and Main channel. All permits have been received. The project is in the Bid Process and the pre-bid conference was scheduled for April 9th with the bid opening scheduled for April 30th. Numerous contractors did attend the Pre-Bid conference. Bid opening was held April 30, 2014. The contract was awarded to Marine Contracting Group on May 27, 2014. The Pre-Construction meeting was held on May 28, 2014 with the Notice to Proceed set for June 26, 2014.

Northwest Port Charlotte: All permit authorizations have been finalized for the project. The Board has approved the construction services scope of work. Marine Contracting Group out of Punta Gorda is the selected contractor. The contractor requested and was granted a time extension; the revised contract end date was March 31, 2014. The Contractor (Marine Contracting Group) is in liquidated damages starting April 1, and is doing everything to complete the project quickly. They have completed all the dredging of the project and the final as-built survey was conducted the week of June 2nd. The new marking of the channels has been scheduled.

Peace River Shores: No active projects at this time.

Pirate Harbor: This project provides for engineering, design and permitting to dredge a 2300 feet access channel that was not covered under previous permitting. The amount of material to be removed will be determined as engineering and design progresses. This project was recommended and approved by the Pirate Harbor Waterway Advisory Committee. A Change Order to add this portion of the program to Coastal Engineering Consultants' contract has been approved by the BCC on April 22. The Consultant will proceed with that project now, and includes the Maintenance Dredge of previously dredged portions of the main access channel. A natural resource survey is scheduled for June.

Southbridge Waterway: Project Complete.

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South Gulf Cove: A Request for Letters of Interest was submitted to Purchasing to sequester an engineering firm to permit a Boat Turn Basin at the Harbor side portion of the Lock. This work was awarded to Johnson Engineering. Meetings with the permitting agencies have been conducted and the design is complete. The State Parks manager has accepted the placement of the Material at a Placida Location for future use. This location was accepted as the spoil disposal site that will substantially reduce the cost of hauling material. The permit application was submitted to the regulatory agencies and the FDEP permit was issued, however the application is still under review by the ACOE. Due to the volume being dredged, the ACOE must seek approval from National Marine Fisheries. The Consultants are making every attempt to work with ACOE and NMF to expedite the process. Johnson Engineering has completed the Construction Plans and is in the process of revising the bid specs. After initial Staff review some modifications were recommended to the original submittal. Upon the receipt of the ACOE permit this project will go out to bid for construction.

Suncoast Waterway: The Project is complete.

Stump Pass:

Coastal Engineering continues with the Plan Formulation Phase for the next 10-Year Management Plan. Analyses of structural alternatives to compliment the beach and inlet management plans for the future project are underway. The BCC approved the continuation of the project and a flexible permit is being applied for to best manage Stump Pass and the neighboring beaches into the future. Coastal is in the process of concluding the data analysis and compiling the permit application. A pre-application meeting with the FDEP was scheduled for 31 October to streamline the permitting process by narrowing the focus of efforts. After reviewing the proposed alternatives, the Florida Park Service prefers a rock terminal groin sited as far south as practicable. Coastal Engineering Consultants will conduct modeling to determine how far south it can be placed to minimize impacts. The result of this modeling showed that reducing the height of the structure by 1.5ft did not affect the performance and decreased any negative impacts downstream of the structure. The permit application was reviewed by staff and was submitted May 13, 2014 to the permitting agencies.

Projected Permitting Schedule: May 2014 through April 2015 - Permit Processing with FDEP & USACE, June 2015 - FDEP permit, July 2015 - USACE Permit

Dayboards: Staff is continuing to replace non-reflective dayboards as needed.